IN THE CLAIMS:

1. (Amended) A method of monitoring a liquid for the presence of disease modified or associated proteins, comprising the steps of:

(a) contacting a sample with solid, non-buoyant granular [particulate material] granular calcium phosphate having free ionic valencies so as to concentrate said disease-modified or associated proteins in said sample, [said protein material in said sample]; and

(c) monitoring the resulting disease-modified or associated proteins concentrated on said [particulate material] granular calcium phosphate.

Please cancel claim 4 and 10.

Claim 6, line 3, after "(ELISA)" please insert --, Western blotting or dot blot--.

9. (Amended) A method according to claim 1, wherein said [concentrated proteins are amplified] monitoring step includes amplifying DNA associated with said concentrated protein material using a polymerase chain reaction and then [monitored] monitoring said concentrated protein material by a restriction fragment length method.

11. (Amended) A kit for carrying out an ELISA reaction, the kit comprising:

(a) solid, non-buoyant granular calcium phosphate [particulate material] having free ionic valencies in a form capable of complexing with diseases modified or associated proteins present in a sample of liquid;

a4

(b) a blocking buffer capable of complexing with [said particulate material] residual calcium phosphate not complexed with said proteins;

(c) a first antibody material capable of complexing with said complexed proteins; and

(d) a further antibody which is capable of complexing with said first antibody.

15. A method for concentrating disease-modified or associated proteins from a sample of liquid which comprises the following steps:

a5

(a) collecting and centrifuging said sample of liquid;

(b) collecting the supernatant produced following centrifugation of said sample;

(c) adding a buffer and a solid, non-buoyant granular calcium phosphate [particulate material] having free ionic valencies to said supernatant;

(d) centrifuging the resulting mixture of said buffer,

said [particulate material] granular calcium phosphate and said supernatant;

(e) collecting said [particulate material] granular calcium phosphate following centrifugation;

(f) adding a buffer to said [particulate material] granular calcium phosphate;

(g) centrifuging said mixture of said buffer and said [particulate material] granular calcium phosphate;

(h) collecting said [particulate material] granular calcium phosphate;

(i) adding a buffer to said [particulate material] granular calcium phosphate;

(j) centrifuging a mixture of said buffer and said [particulate material] granular calcium phosphate; and

(k) collecting [supernatant containing the disease-modified or associated proteins] said granular calcium phosphate having said protein material aggregated thereon, such that said protein material is in a concentration suitable for monitoring said protein material.

Claim 26, line 3, after "(ELISA)" please insert –, Western blotting or dot blot–.

29. (Amended) A method according to claim 19, wherein said monitoring step includes amplifying DNA associated with said complexed biological material [is amplified] using a polymerase chain and then [monitored] monitoring said complexed biological material by a restriction fragment length method.

Please cancel claims 14, 18, 22, 23, 30, 31-43.

44. (New) A method of according to claim 9, wherein said monitoring step further includes using said amplified DNA material in a hybridization reaction (such as Southern blotting.

45. (New) A method according to claim 1, wherein said monitoring step further includes using DNA associated with said concentrated protein material in a hybridization reaction (such as Southern blotting.

46. (New) A method according to claim 29, wherein said monitoring step further includes using said amplified DNA material in a hybridization reaction (such as Southern blotting.

47. (New) A method according to claim 19, wherein said monitoring step further includes using DNA associated with said complexed biological material in a hybridization reaction (such as Southern blotting.